

COX4I2 Monoclonal Antibody

Catalog No :	YM1023
Reactivity :	Human
Applications :	WB;FCM;IF
Target :	COX4I2
Fields :	>>Oxidative phosphorylation;>>Metabolic pathways;>>Cardiac muscle contraction;>>Thermogenesis;>>Non-alcoholic fatty liver disease;>>Alzheimer disease;>>Parkinson disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy
Gene Name :	COX4I2
Protein Name :	Cytochrome c oxidase subunit 4 isoform 2 mitochondrial
Human Gene Id :	84701
Human Swiss Prot	Q96KJ9
No : Mouse Swiss Prot	Q91W29
Immunogen :	Purified recombinant human COX4I2 (C-terminus) protein fragments expressed in E.coli.
Specificity :	COX4I2 Monoclonal Antibody detects endogenous levels of COX4I2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. Flow cytometry: 1:100 - 1:200. IF 1:100 - 1:500. Not yet tested in other applications.
Purification :	Affinity purification



Best Tools for immunology Research		
Concentration :	1 mg/ml	
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)	
Molecularweight :	20kD	
Cell Pathway :	Oxidative phosphorylation;Cardiac muscle contraction;Alzheimer's	
-	disease;Parkinson's disease;Huntington's disease;	
Background :	Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial	
	respiratory chain, catalyzes the electron transfer from reduced cytochrome c to	
	oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by	
	The mitochondrially-encoded subunits function in electron transfer and the	
	nuclear-encoded subunits may be involved in the regulation and assembly of the	
	complex. This nuclear gene encodes isoform 2 of subunit IV. Isoform 1 of subunit	
	IV is encoded by a different gene, however, the two genes show a similar	
	structural organization. Subunit IV is the largest nuclear encoded subunit which	
	plays a pivotal role in COX regulation. [provided by ReiSeq, Jul 2008],	
-	function. This constain is such a faller constant and a local value of the state of	
Function :	runction: This protein is one of the nuclear-coded polypeptide chains of	
	transport, similarity: Belongs to the cytochrome c oxidase IV family, tissue	
	specificity:Highly expressed in lung.,	
Subcellular	Mitochondrion inner membrane ; Single-pass membrane protein .	
Location :		
Expression :	Highly expressed in lung.	



Products Images

Western Blot analysis using COX4I2 Monoclonal Antibody against mouse skeletal muscel, Jurkat cell lysate.





Immunofluorescence analysis of HeLa cells using COX4I2 Monoclonal Antibody.



Flow cytometric analysis of K562 cells stained with COX4I2 Monoclonal Antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.